PAT-NO: JP406275982A

DOCUMENT-IDENTIFIER: JP 06275982 A

TITLE: RADIO WAVE ABSORBING BODY

PUBN-DATE: September 30, 1994

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APPL-NO: JP05088121

APPL-DATE: March 23, 1993

INT-CL (IPC): H05K009/00

US-CL-CURRENT: 174/32

ABSTRACT:

PURPOSE: To provide a cheap radio wave absorbing body which is higher in
radio wave absorbing properties than a conventional one without using specific
ferrite and employing a multilayered structure by a method wherein a specific
amount of metal oxide is fixed into binder which is compounded with ferrite.

CONSTITUTION: Ferrite compounded with binder is molded into a radio wave
absorbing body by heating, wherein 25mass% of metal oxide or below is mixed

into binder. It is preferable that the mixing amount of binder ranges from 5
to 20mass%, and it is also preferable that titanium oxide is used as metal
oxide. For instance, Mn-Zn ferrite is mixed into methyl methacrylate or
styrene solution and heated at a temperature of 50°C for 24 hours for
polymerization in the presence of AIBN catalyst, whereby the surface of ferrite
is uniformly coated with methyl polymethacrylate (PMMA) or polystyrene (PSt).
Then, resin- coated ferrite is put into a molding die, heated at a temperature
of 170°C or 250°C for 10 minutes, and molded into a radio wave
absorbing body.